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<u>L11</u>	adenovir\$ with (bmp or egr or hsp70 or hsp27 or hsp40 or hsp60)	38	<u>L11</u>
<u>L10</u>	L9 and l4	11	<u>L10</u>
<u>L9</u>	stress near3 (induce\$ or relat\$)	28453	<u>L9</u>
<u>L8</u>	(adenovir\$ near5 replication-deficien\$) with (bmp or egr or hsp70 or hsp27 or hsp40 or hsp60)	0	<u>L8</u>
<u>L7</u>	(adenovir\$ near5 replication-deficien\$) with (bmp or egr or wound adj heal\$)	0	<u>L7</u>
<u>L6</u>	(adenovir\$ near5 replication-deficien\$) with bmp or egr or wound adj heal\$	15073	<u>L6</u>
<u>L5</u>	l3 and l4	63	<u>L5</u>
<u>L4</u>	adenovir\$ near5 replication-deficien\$	356	<u>L4</u>
<u>L3</u>	l1 or L2	17932	<u>L3</u>
<u>L2</u>	bmp or bone adj morphogenic adk (protein or polypeptide)	3631	<u>L2</u>
<u>L1</u>	wound adj heal\$ or egr	15073	<u>L1</u>

END OF SEARCH HISTORY

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- ☐ 3. 20030008349. 26 Oct 01. 09 Jan 03. Molecular regulatory circuits to achieve sustained activation of genes of interest by a single stress. Voellmy, Richard. 435/69.1; 435/320.1 435/325 536/23.2 C12P021/02 C12N005/06 C07H021/04 C12P021/06 C12N015/00 C12N015/09 C12N015/63 C12N015/70 C12N015/74 C12N005/00 C12N005/02.
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- ☐ 6. 20020168771. 08 May 01. 14 Nov 02. Vectors having replication, immunogenicity and/or pathogenicity under stress promoter regulation and use thereof. Gamerman, Gary Eric. 435/456; 435/235.1 435/320.1 C12N015/867 C12N015/861 C12N007/00 C12N015/74.
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- ☐ 9. 6518255. 19 Jul 99; 11 Feb 03. Multiple site delivery of adenoviral vector directly into muscle for the induction of angiogenesis. Rosengart; Todd K., et al. 514/44; 424/93.1 424/93.2 435/455. A61K048/00 A61K035/00 C12N015/09.
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Terms	Documents
L9 and 14	11

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- ☐ 28. [6132962](#). 16 Jun 97; 17 Oct 00. Retroviral vectors comprising an anti-hiv or other nucleic acid. Wong-Staal; Flossie, et al. 435/6; 435/320.1 435/325 435/366 435/91.31 536/23.1 536/24.5. C12Q001/68 C07H021/04 C12N015/85 A61K048/00.
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FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 16:34:32 ON 28 APR 2003

L1 325115 S STRESS(3A) (RELAT? OR INDUC?) OR HYPOXIA
L2 366 S ADENOVIR?(S) L1
L3 120 S ADENOVIR?(10A) L1
L4 65 DUP REM L3 (55 DUPLICATES REMOVED)
L5 0 S L4@PD<19951231
L6 0 S L4@PD<1996
L7 0 S @PD<19961231 AND L4

=> d au ti so 30-65 l4

L4 ANSWER 30 OF 65 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE 15

AU Valery, Christine; Vasseur, Sophie; Sabatier, Florence; Iovanna, Juan-Lucio; Dagorn, Jean-Charles; Grob, Jean-Jacques; Verrando, Patrick (1)

TI Pancreatitis associated protein I (PAP-I) alters adhesion and motility of human melanocytes and melanoma cells.

SO Journal of Investigative Dermatology, (March, 2001) Vol. 116, No. 3, pp. 426-433. print.
ISSN: 0022-202X.

L4 ANSWER 31 OF 65 SCISEARCH COPYRIGHT 2003 THOMSON ISI

AU Malhotra R (Reprint); Tyson D; Kumagai A; Brosius F C

TI **Adenoviral** mediated Glut1 overexpression in cardiac myocytes reduces **hypoxia**-induced apoptosis and pro-apoptotic HIF-1 alpha levels during hypoxia.

SO CIRCULATION, (23 OCT 2001) Vol. 104, No. 17, Supp. [S], pp. 294-294. MA 1414.

Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA.
ISSN: 0009-7322.

L4 ANSWER 32 OF 65 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AU Malhotra, Ricky (1); Tyson, Dave (1); Kumagai, Arno (1); Brosius, Frank C. (1)

TI **Adenoviral** mediated Glut1 overexpression in cardiac myocytes reduces **hypoxia**-induced apoptosis and pro-apoptotic HIF-1alpha levels during hypoxia.

SO Circulation, (October 23, 2001) Vol. 104, No. 17 Supplement, pp. II.294. <http://circ.ahajournals.org/>. print.

Meeting Info.: Scientific Sessions 2001 of the American Heart Association Anaheim, California, USA November 11-14, 2001
ISSN: 0009-7322.

L4 ANSWER 33 OF 65 CAPLUS COPYRIGHT 2003 ACS

IN Havenga, Menzo Jans Emco; Bout, Abraham; Vogels, Ronald

TI Chimeric adenoviral vectors specific for gene transfer to smooth muscle cells, and/or endothelial cells

SO PCT Int. Appl., 91 pp.

CODEN: PIXXD2

L4 ANSWER 34 OF 65 CAPLUS COPYRIGHT 2003 ACS

IN Binley, Katie Mary; Naylor, Stuart

TI A hypoxia-responsive regulatory element and its use in the expression of therapeutic genes in chronically hypoxic solid tumors

SO PCT Int. Appl., 154 pp.

CODEN: PIXXD2

L4 ANSWER 35 OF 65 CAPLUS COPYRIGHT 2003 ACS
 IN Yu, De Chao; Henderson, Daniel R.
 TI Adenovirus vectors containing cell status- and cell type-specific response elements for transcriptional regulation and their use in cancer gene therapy
 SO PCT Int. Appl., 79 pp.
 CODEN: PIXXD2

L4 ANSWER 36 OF 65 CAPLUS COPYRIGHT 2003 ACS
 TI Adenovirus vectors expressing nitric oxide synthetase to promote angiogenesis applicable in gene therapy of hypertension and hypercholesterolemia
 SO Eur. Pat. Appl., 33 pp.
 CODEN: EPXXDW

L4 ANSWER 37 OF 65 MEDLINE DUPLICATE 16
 AU Li T H; Kim C; Rubin C M; Schmid C W
 TI K562 cells implicate increased chromatin accessibility in Alu transcriptional activation.
 SO NUCLEIC ACIDS RESEARCH, (2000 Aug 15) 28 (16) 3031-9.
 Journal code: 0411011. ISSN: 1362-4962.

L4 ANSWER 38 OF 65 MEDLINE DUPLICATE 17
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 TI In vivo gene transfer of prepro-calcitonin gene-related peptide to the lung attenuates chronic hypoxia-induced pulmonary hypertension in the mouse.
 SO CIRCULATION, (2000 Feb 29) 101 (8) 923-30.
 Journal code: 0147763. ISSN: 1524-4539.

L4 ANSWER 39 OF 65 CAPLUS COPYRIGHT 2003 ACS
 AU Partovian, Chohreh; Adnot, Serge; Raffestin, Bernadette; Louzier, Vanessa; Levame, Micheline; Mavier, Isabelle Macquin; Lemarchand, Patricia; Eddahibi, Saadia
 TI Adenovirus-mediated lung vascular endothelial growth factor overexpression protects against hypoxic pulmonary hypertension in rats
 SO American Journal of Respiratory Cell and Molecular Biology (2000), 23(6), 762-771
 CODEN: AJRBEL; ISSN: 1044-1549

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 TI Adenovirus-mediated gene transfer into hypoxic myocytes
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 AU Griffiths L; Binley K; Iqball S; Kan O; Maxwell P; Ratcliffe P; Lewis C; Harris A; Kingsman S; Naylor S
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 SO GENE THERAPY, (2000 Feb) 7 (3) 255-62.
 Journal code: 9421525. ISSN: 0969-7128.

L4 ANSWER 42 OF 65 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AU Bando, Y. (1); Tamatani, M.; Taniguchi, M.; Shimada, S.; Tohyama, M.
 TI The GRP94 (94kDa glucose-regulated protein) as a stress protein protects neuronal cell death against ischemia/reperfusion injury, in vivo and in vitro.
 SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract No.-184.15. print.
 Meeting Info.: 30th Annual Meeting of the Society of Neuroscience New

Orleans, LA, USA November 04-09, 2000 Society for Neuroscience
. ISSN: 0190-5295.

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AU Tamatani M; Che Y H; Matsuzaki H; Ogawa S; Okado H; Miyake S; Mizuno T; Tohyama M
TI Tumor necrosis factor induces Bcl-2 and Bcl-x expression through NFkappaB activation in primary hippocampal neurons.
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AU Matsui, Takashi; Li, Ling; Del Monte, Federica; Fukui, Yasuhisa; Franke, Thomas F.; Hajjar, Roger J.; Rosenzweig, Anthony
TI Adenoviral gene transfer of activated phosphatidylinositol 3'-kinase and Akt inhibits apoptosis of hypoxic cardiomyocytes in vitro
SO Circulation (1999), 100(23), 2373-2379
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TI An **adenoviral** vector regulated by **hypoxia** for the treatment of ischaemic disease and cancer.
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SO CIRCULATION, (1999 Nov 9) 100 (19 Suppl) II335-9.
Journal code: 0147763. ISSN: 0009-7322.
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ISSN: 1052-2166.
- L4 ANSWER 49 OF 65 SCISEARCH COPYRIGHT 2003 THOMSON ISI
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TI Angiogenesis induced by **adenovirus**-mediated gene transfer of a **hypoxia**-inducible factor-1 alpha/VP16 hybrid in rabbit hindlimb ischemia
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Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621.
ISSN: 0009-7322.
- L4 ANSWER 50 OF 65 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Cable, David G.; Pompili, Vincent J.; O'Brien, Timothy; Schaff, Hartzell V. (1)
TI Recombinant gene transfer of endothelial nitric oxide synthase augments

- coronary artery relaxations during hypoxia.
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ISSN: 0009-7322.
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AU Iwaguro, Hideki (1); Asahara, Takayuki (1); Akita, Geoffrey Y.; Masuda,
Haruchika; Kalka, Christoph; Vincent, Karen A.; Gregory, Richard J.
TI Angiogenesis induced by **adenovirus**-mediated gene transfer of a
hypoxia-inducible factor-1alpha/VP16 hybrid in rabbit hindlimb
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Meeting Info.: 72nd Scientific Sessions of the American Heart Association
Atlanta, Georgia, USA November 7-10, 1999
ISSN: 0009-7322.
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Journal code: 2984782R. ISSN: 0485-1439.
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- L4 ANSWER 54 OF 65 MEDLINE DUPLICATE 24
AU Giordano F J; Ping P; McKirnan M D; Nozaki S; DeMaria A N; Dillmann W H;
Mathieu-Costello O; Hammond H K
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Journal code: 9502015. ISSN: 1078-8956.
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TI Transfer of endothelial nitric oxide synthase gene in the purpose of gene
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AU Janssens, Stefan P.; Bloch, Kenneth D.; Nong, Zengxuan; Gerard, Robert D.;
Zoldhelyi, Pierre; Collen, Desire
TI Adenoviral-mediated transfer of the human endothelial nitric oxide
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SO Journal of Clinical Investigation (1996), 98(2), 317-324
CODEN: JCINAO; ISSN: 0021-9738
- L4 ANSWER 57 OF 65 MEDLINE DUPLICATE 25
AU Erzurum S C; Lemarchand P; Rosenfeld M A; Yoo J H; Crystal R G
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SO NUCLEIC ACIDS RESEARCH, (1993 Apr 11) 21 (7) 1607-12.
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AU MORIMOTO R I; ABRAYAYA K; MOSSER D; WILLIAMS G T
TI TRANSCRIPTION OF THE HUMAN HSP 70 GENE CIS-ACTING ELEMENTS AND

TRANS-ACTING FACTORS INVOLVED IN BASAL **ADENOVIRUS** E1A AND
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- SO SCHLESINGER, M. J., M. G. SANTORO AND E. GARACI (ED.). STRESS PROTEINS:
INDUCTION AND FUNCTION. VIII+123P. SPRINGER-VERLAG: BERLIN, GERMANY; NEW
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- L4 ANSWER 59 OF 65 CAPLUS COPYRIGHT 2003 ACS
AU Piperakis, Stelios M.
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SO Medical Science Research (1990), 18(10), 401-2
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- L4 ANSWER 60 OF 65 CAPLUS COPYRIGHT 2003 ACS
AU Morimoto, Richard I.; Abravaya, Klara; Mosser, Dick; Williams, Gregg T.
TI Transcription of the human HSP70 gene: cis-acting elements and
trans-acting factors involved in basal, **adenovirus** E1A, and
stress-induced expression
SO Stress Proteins (1990), 1-17. Editor(s): Schlesinger, Milton J.; Santoro,
M. Gabriella; Garaci, Enrico. Publisher: Springer, Berlin, Fed. Rep. Ger.
CODEN: 57GVA3
- L4 ANSWER 61 OF 65 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU MORIMOTO R I; MOSSER D; MCCLANAHAN T K; THEODORAKIS N G; WILLIAMS G
TI TRANSCRIPTIONAL REGULATION OF THE HUMAN HSP70 GENE.
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SERIES, VOL. 96. STRESS-INDUCED PROTEINS; KEYSTONE, COLORADO, USA, APRIL
10-16, 1988. XVIII+294P. ALAN R. LISS, INC.: NEW YORK, NEW YORK, USA.
ILLUS. (1988 (1989)) 0 (0), 83-94.
CODEN: USMBD6. ISSN: 0735-9543. ISBN: 0-8451-2695-4.
- L4 ANSWER 62 OF 65 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU WILLIAMS G T; MCCLANAHAN T K; MORIMOTO R I
TI REGULATION OF HUMAN HSP-70 GENE EXPRESSION BY STRESS AND BY VIRAL
TRANS-ACTIVATION.
SO JOINT MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY AND THE AMERICAN
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- L4 ANSWER 63 OF 65 CAPLUS COPYRIGHT 2003 ACS
AU Jackson, Paul; Bellett, Alan J. D.
TI The organization of vinculin and .alpha.-actinin in adenovirus 5-infected
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CODEN: EJCBND; ISSN: 0171-9335
- L4 ANSWER 64 OF 65 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU MORIMOTO R; MESELSON M
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- L4 ANSWER 65 OF 65 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU JEAN R; BENOIST M R; RUFIN P; MEYER B; SCHEINMANN P; PAUPE J
TI RESPIRATORY SEQUELAE OF SEVERE MEASLES.
SO Rev. Fr. Mal. Respir., (1981) 9 (1), 45-54.
CODEN: RFMRAT. ISSN: 0301-0279.

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(FILE 'HOME' ENTERED AT 15:25:30 ON 28 APR 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 15:25:41 ON 28 APR 2003

L1 97859 S WOUND(3A)HEAL? OR EGR
L2 2337 S ADENOVIR?(5A)REPLICATION-DEFICIENT
L3 32 S L1 AND L2
L4 14 DUP REM L3 (18 DUPLICATES REMOVED)
L5 17729 S ADENOVIR?(W)VECTOR
L6 137 S L1 AND L5
L7 84 DUP REM L6 (53 DUPLICATES REMOVED)
L8 75 S L1(S)L5
L9 37 DUP REM L8 (38 DUPLICATES REMOVED)
L10 14638 S BMP OR BONE(W)MORPHOGENIC(W) (PROTEIN OR POLYPEPTIDE)
L11 132 S L10 AND L5
L12 10 S L2 AND L10
L13 91 S L10(S)L5
L14 36 DUP REM L13 (55 DUPLICATES REMOVED)
L15 3 DUP REM L12 (7 DUPLICATES REMOVED)

=> d au ti so 1-3 l15

L15 ANSWER 1 OF 3 MEDLINE DUPLICATE 1
AU Okubo Y; Bessho K; Fujimura K; Iizuka T; Miyatake S I
TI In vitro and in vivo studies of a bone morphogenetic protein-2 expressing adenoviral vector.
SO JOURNAL OF BONE AND JOINT SURGERY. AMERICAN VOLUME, (2001) 83-A Suppl 1 (Pt 2) S99-104.
Journal code: 0014030. ISSN: 0021-9355.

L15 ANSWER 2 OF 3 MEDLINE DUPLICATE 2
AU Haberberger T C; Kupfer K; Murphy J E
TI Profiling of genes which are differentially expressed in mouse liver in response to adenoviral vectors and delivered genes.
SO GENE THERAPY, (2000 Jun) 7 (11) 903-9.
Journal code: 9421525. ISSN: 0969-7128.

L15 ANSWER 3 OF 3 MEDLINE DUPLICATE 3
AU Okubo Y; Bessho K; Fujimura K; Iizuka T; Miyatake S
TI Expression of bone morphogenetic protein-2 via adenoviral vector in C2C12 myoblasts induces differentiation into the osteoblast lineage.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1999 Sep 7) 262 (3) 739-43.
Journal code: 0372516. ISSN: 0006-291X.

=> d au ti so 1-36 l14

L14 ANSWER 1 OF 36 MEDLINE DUPLICATE 1
AU Kaihara Shinji; Bessho Kazuhisa; Okubo Yasunori; Sonobe Junya; Komatsu Yasato; Miura Masako; Miyatake Shin-Ichi; Nakao Kazuwa; Iizuka Tadahiko
TI Over expression of bone morphogenetic protein-3b (BMP-3b) using an adenoviral vector promote the osteoblastic differentiation in C2C12 cells and augment the bone formation induced by bone morphogenetic protein-2 (BMP-2) in rats.
SO LIFE SCIENCES, (2003 Feb 28) 72 (15) 1683-93.
Journal code: 0375521. ISSN: 0024-3205.

L14 ANSWER 2 OF 36 MEDLINE DUPLICATE 2
AU Nishihara Ayako; Fujii Makiko; Sampath T Kuber; Miyazono Kohei; Reddi A Hari
TI Bone morphogenetic protein signaling in articular chondrocyte

- differentiation.
- SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (2003 Feb 7) 301 (2) 617-22.
Journal code: 0372516. ISSN: 0006-291X.
- L14 ANSWER 3 OF 36 MEDLINE DUPLICATE 3
AU Gelse Kolja; von der Mark Klaus; Aigner Thomas; Park Jung; Schneider Holm
TI Articular cartilage repair by gene therapy using growth factor-producing mesenchymal cells.
SO ARTHRITIS AND RHEUMATISM, (2003 Feb) 48 (2) 430-41.
Journal code: 0370605. ISSN: 0004-3591.
- L14 ANSWER 4 OF 36 CAPLUS COPYRIGHT 2003 ACS
AU Palmer, Glyn D.; Gouze, Elvire; Gouze, Jean-Noel; Betz, Oliver B.; Evans, Christopher H.; Ghivizzani, Steven C.
TI Gene transfer to articular chondrocytes with recombinant adenovirus
SO Methods in Molecular Biology (Totowa, NJ, United States) (2003), 215(Cytokines and Colony Stimulating Factors), 235-246
CODEN: MMBIED; ISSN: 1064-3745
- L14 ANSWER 5 OF 36 MEDLINE DUPLICATE 4
AU Abe Nobuhiro; Lee Yu-Po; Sato Makoto; Zhang Xuguang; Wu Jing; Mitani Kohnosuke; Lieberman Jay R
TI Enhancement of bone repair with a helper-dependent adenoviral transfer of bone morphogenetic protein-2.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (2002 Sep 27) 297 (3) 523-7.
Journal code: 0372516. ISSN: 0006-291X.
- L14 ANSWER 6 OF 36 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 5
AU Jane, John A., Jr.; Dunford, Bradley A.; Kron, Adam; Pittman, Debra D.; Sasaki, Tsutomu; Li, Jin Zhong; Li, Hongwei; Alden, Tord D.; Dayoub, Hayan; Hankins, Gerald R.; Kallmes, David F.; Helm, Gregory A.
TI Ectopic osteogenesis using adenoviral bone morphogenetic protein (BMP)-4 and BMP-6 gene transfer
SO Molecular Therapy (2002), 6(4), 464-470
CODEN: MTOHCK; ISSN: 1525-0016
- L14 ANSWER 7 OF 36 MEDLINE DUPLICATE 6
AU van Griensven M; Lobenhoffer P; Barke A; Tschernig T; Lindenmaier W; Krettek C; Gerich T G
TI Adenoviral gene transfer in a rat fracture model.
SO LABORATORY ANIMALS, (2002 Oct) 36 (4) 455-61.
Journal code: 0112725. ISSN: 0023-6772.
- L14 ANSWER 8 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 7
AU Tezuka, Ken-ichi (1); Yasuda, Masafumi; Watanabe, Naoko; Morimura, Naoko; Kuroda, Kazuki; Miyatani, Seiji; Hozumi, Nobumichi
TI Stimulation of osteoblastic cell differentiation by Notch.
SO Journal of Bone and Mineral Research, (February, 2002) Vol. 17, No. 2, pp. 231-239. print.
ISSN: 0884-0431.
- L14 ANSWER 9 OF 36 MEDLINE DUPLICATE 8
AU Alden Tord D; Varady Peter; Kallmes David F; Jane John A Jr; Helm Gregory A
TI Bone morphogenetic protein gene therapy.
SO SPINE, (2002 Aug 15) 27 (16 Suppl 1) S87-93. Ref: 102
Journal code: 7610646. ISSN: 1528-1159.
- L14 ANSWER 10 OF 36 CAPLUS COPYRIGHT 2003 ACS
AU Bondestam, Jonas; Kaivo-Oja, Noora; Kallio, Janne; Groome, Nigel; Hyden-Granskog, Christel; Fujii, Makiko; Moustakas, Aristidis; Jalanko,

- Anu; ten Dijke, Peter; Ritvos, Olli
- TI Engagement of activin and bone morphogenetic protein signaling pathway
Smad proteins in the induction of inhibin B production in ovarian
granulosa cells
- SO Molecular and Cellular Endocrinology (2002), 195(1-2), 79-88
CODEN: MCEND6; ISSN: 0303-7207
- L14 ANSWER 11 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
- AU Tsuru, Michiyo; Nagata, Kensei (1); Ueno, Takato; Jimi, Atsuo; Noda,
Shinshi; Iida, Shizuka; Sata, Michio
- TI Confocal laser microscopy of chondrocytes that received gene transfer
using in vitro electroporation.
- SO Kurume Medical Journal, (2002) Vol. 49, No. 1-2, pp. 1-5. print.
ISSN: 0023-5679.
- L14 ANSWER 12 OF 36 MEDLINE DUPLICATE 9
- AU Gelse K; Jiang Q J; Aigner T; Ritter T; Wagner K; Poschl E; von der Mark
K; Schneider H
- TI Fibroblast-mediated delivery of growth factor complementary DNA into mouse
joints induces chondrogenesis but avoids the disadvantages of direct viral
gene transfer.
- SO ARTHRITIS AND RHEUMATISM, (2001 Aug) 44 (8) 1943-53.
Journal code: 0370605. ISSN: 0004-3591.
- L14 ANSWER 13 OF 36 SCISEARCH COPYRIGHT 2003 THOMSON ISI
- AU Lindsey W H (Reprint)
- TI Osseous tissue engineering with gene therapy for facial bone
reconstruction
- SO LARYNGOSCOPE, (JUL 2001) Vol. 111, No. 7, pp. 1128-1136.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA
19106-3621 USA.
ISSN: 0023-852X.
- L14 ANSWER 14 OF 36 MEDLINE DUPLICATE 10
- AU Hidaka C; Quitoriano M; Warren R F; Crystal R G
- TI Enhanced matrix synthesis and in vitro formation of cartilage-like tissue
by genetically modified chondrocytes expressing BMP-7.
- SO JOURNAL OF ORTHOPAEDIC RESEARCH, (2001 Sep) 19 (5) 751-8.
Journal code: 8404726. ISSN: 0736-0266.
- L14 ANSWER 15 OF 36 MEDLINE DUPLICATE 11
- AU Varady P; Li J Z; Cunningham M; Beres E J; Das S; Engh J; Alden T D;
Pittman D D; Kerns K M; Kallmes D F; Helm G A
- TI Morphologic analysis of BMP-9 gene therapy-induced osteogenesis.
- SO HUMAN GENE THERAPY, (2001 Apr 10) 12 (6) 697-710.
Journal code: 9008950. ISSN: 1043-0342.
- L14 ANSWER 16 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE
12
- AU Okubo, Yasunori; Bessho, Kazuhisa (1); Fujimura, Kazuma; Kaihara, Shinji;
Iizuka, Tadahiko; Miyatake, Shin-Ichi
- TI The time course study of osteoinduction by bone morphogenetic protein-2
via adenoviral vector.
- SO Life Sciences, (December 7, 2001) Vol. 70, No. 3, pp. 325-336.
<http://www.elsevier.nl/inca/publications/store/5/2/5/4/7/7/index.htm>.
print.
ISSN: 0024-3205.
- L14 ANSWER 17 OF 36 MEDLINE DUPLICATE 13
- AU Helm G A; Li J Z; Alden T D; Hudson S B; Beres E J; Cunningham M;
Mikkelsen M M; Pittman D D; Kerns K M; Kallmes D F
- TI A light and electron microscopic study of ectopic tendon and ligament
formation induced by bone morphogenetic protein-13 adenoviral gene
therapy.

- SO JOURNAL OF NEUROSURGERY, (2001 Aug) 95 (2) 298-307.
Journal code: 0253357. ISSN: 0022-3085.
- L14 ANSWER 18 OF 36 MEDLINE DUPLICATE 14
AU Turgeman G; Pittman D D; Muller R; Kurkalli B G; Zhou S; Pelled G; Peyser A; Zilberman Y; Moutsatsos I K; Gazit D
TI Engineered human mesenchymal stem cells: a novel platform for skeletal cell mediated gene therapy.
SO JOURNAL OF GENE MEDICINE, (2001 May-Jun) 3 (3) 240-51.
Journal code: 9815764. ISSN: 1099-498X.
- L14 ANSWER 19 OF 36 MEDLINE DUPLICATE 15
AU Okubo Y; Bessho K; Fujimura K; Iizuka T; Miyatake S I
TI In vitro and in vivo studies of a bone morphogenetic protein-2 expressing adenoviral vector.
SO JOURNAL OF BONE AND JOINT SURGERY. AMERICAN VOLUME, (2001) 83-A Suppl 1 (Pt 2) S99-104.
Journal code: 0014030. ISSN: 0021-9355.
- L14 ANSWER 20 OF 36 MEDLINE DUPLICATE 16
AU Cheng S L; Lou J; Wright N M; Lai C F; Avioli L V; Riew K D
TI In vitro and in vivo induction of bone formation using a recombinant **adenoviral vector** carrying the human **BMP-2** gene.
SO CALCIFIED TISSUE INTERNATIONAL, (2001 Feb) 68 (2) 87-94.
Journal code: 7905481. ISSN: 0171-967X.
- L14 ANSWER 21 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 17
AU Krebsbach, Paul H. (1); Gu, Keni; Franceschi, Renny T.; Rutherford, R. Bruce
TI Gene therapy-directed osteogenesis: BMP-7-transduced human fibroblasts form bone in vivo.
SO Human Gene Therapy, (May 20, 2000) Vol. 11, No. 8, pp. 1201-1210. print. ISSN: 1043-0342.
- L14 ANSWER 22 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Smith, P.; Shuler, F. D.; Georgescu, H. I.; Ghivizzani, S. C.; Johnstone, B.; Niyibizi, C.; Robbins, P. D.; Evans, C. H. (1)
TI Genetic enhancement of matrix synthesis by articular chondrocytes: Comparison of different growth factor genes in the presence and absence of interleukin-1.
SO Arthritis & Rheumatism, (May, 2000) Vol. 43, No. 5, pp. 1156-1164. print. ISSN: 0004-3591.
- L14 ANSWER 23 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 18
AU Haberberger, T. C.; Kupfer, K.; Murphy, J. E. (1)
TI Profiling of genes which are differentially expressed in mouse liver in response to adenoviral vectors and delivered genes.
SO Gene Therapy, (June, 2000) Vol. 7, No. 11, pp. 903-909. print. ISSN: 0969-7128.
- L14 ANSWER 24 OF 36 CAPLUS COPYRIGHT 2003 ACS
AU Nakaoka, Takashi; Gonda, Koichi
TI Gene therapy using BMP-2 gene
SO Molecular Medicine (Tokyo) (2000), 37(6), 708-714
CODEN: MOLMEL; ISSN: 0918-6557
- L14 ANSWER 25 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 19
AU Franceschi, Renny T. (1); Wang, Dian; Krebsbach, Paul H.; Rutherford, R. Bruce
TI Gene therapy for bone formation: In vitro and in vivo osteogenic activity

- of an adenovirus expressing BMP7.
SO Journal of Cellular Biochemistry, (6 June, 2000) Vol. 78, No. 3, pp. 476-486. print.
ISSN: 0730-2312.
- L14 ANSWER 26 OF 36 MEDLINE DUPLICATE 20
AU Okubo Y; Bessho K; Fujimura K; Iizuka T; Miyatake S I
TI Osteoinduction by bone morphogenetic protein-2 via adenoviral vector under transient immunosuppression.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (2000 Jan 7) 267 (1) 382-7.
Journal code: 0372516. ISSN: 0006-291X.
- L14 ANSWER 27 OF 36 MEDLINE DUPLICATE 21
AU Helm G A; Alden T D; Beres E J; Hudson S B; Das S; Engh J A; Pittman D D; Kerns K M; Kallmes D F
TI Use of bone morphogenetic protein-9 gene therapy to induce spinal arthrodesis in the rodent.
SO JOURNAL OF NEUROSURGERY, (2000 Apr) 92 (2 Suppl) 191-6.
Journal code: 0253357. ISSN: 0022-3085.
- L14 ANSWER 28 OF 36 MEDLINE DUPLICATE 22
AU Alden T D; Beres E J; Laurent J S; Engh J A; Das S; London S D; Jane J A Jr; Hudson S B; Helm G A
TI The use of bone morphogenetic protein gene therapy in craniofacial bone repair.
SO JOURNAL OF CRANIOFACIAL SURGERY, (2000 Jan) 11 (1) 24-30.
Journal code: 9010410. ISSN: 1049-2275.
- L14 ANSWER 29 OF 36 CAPLUS COPYRIGHT 2003 ACS
IN Helm, Gregory A.; Hankins, Gerald R.; Alden, Tord D.; Chung, Leland W. K.; Ko, Song-Chu; Kao, Chinghai
TI Gene therapy vector with osteocalcin promoter and genes for bone morphogenic proteins or growth factors
SO PCT Int. Appl., 44 pp.
CODEN: PIXXD2
- L14 ANSWER 30 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 23
AU Piek, Ester; Moustakas, Aristidis (1); Kurisaki, Akira; Heldin, Carl-Henrik; ten Dijke, Peter
TI TGF-beta type I receptor/ALK-5 and Smad proteins mediate epithelial to mesenchymal transdifferentiation in NMuMG breast epithelial cells.
SO Journal of Cell Science, (Dec., 1999) Vol. 112, No. 24, pp. 4557-4568.
ISSN: 0021-9533.
- L14 ANSWER 31 OF 36 MEDLINE DUPLICATE 24
AU Alden T D; Pittman D D; Hankins G R; Beres E J; Engh J A; Das S; Hudson S B; Kerns K M; Kallmes D F; Helm G A
TI In vivo endochondral bone formation using a bone morphogenetic protein 2 adenoviral vector.
SO HUMAN GENE THERAPY, (1999 Sep 1) 10 (13) 2245-53.
Journal code: 9008950. ISSN: 1043-0342.
- L14 ANSWER 32 OF 36 SCISEARCH COPYRIGHT 2003 THOMSON ISI
AU Lieberman J R (Reprint); Daluiski A; Stevenson S; Wu L; McAllister P; Lee Y P; Kabo J M; Finerman G A M; Berk A J; Witte O N
TI The effect of regional gene therapy with bone morphogenetic protein-2-producing bone-marrow cells on the repair of segmental femoral defects in rats
SO JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME, (JUL 1999) Vol. 81A, No. 7, pp. 905-917.
Publisher: JOURNAL BONE JOINT SURGERY INC, 20 PICKERING ST, NEEDHAM, MA 02192.

ISSN: 0021-9355.

- L14 ANSWER 33 OF 36 MEDLINE DUPLICATE 25
AU Okubo Y; Bessho K; Fujimura K; Iizuka T; Miyatake S
TI Expression of bone morphogenetic protein-2 via adenoviral vector in C2C12 myoblasts induces differentiation into the osteoblast lineage.
SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1999 Sep 7) 262 (3) 739-43.
Journal code: 0372516. ISSN: 0006-291X.
- L14 ANSWER 34 OF 36 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 26
AU Musgrave, D. S.; Bosch, P.; Ghivizzani, S.; Robbins, P. D.; Evans, C. H.; Huard, J. (1)
TI Adenovirus-mediated direct gene therapy with bone morphogenetic protein-2 produces bone.
SO Bone (New York), (June, 1999) Vol. 24, No. 6, pp. 541-547.
ISSN: 8756-3282.
- L14 ANSWER 35 OF 36 SCISEARCH COPYRIGHT 2003 THOMSON ISI
AU Baltzer A W A (Reprint); Lattermann C; Whalen J D; Braunstein S; Robbins P D; Evans C H
TI A gene therapy approach to accelerating bone healing - Evaluation of gene expression in a New Zealand white rabbit model
SO KNEE SURGERY SPORTS TRAUMATOLOGY ARTHROSCOPY, (MAY 1999) Vol. 7, No. 3, pp. 197-202.
Publisher: SPRINGER VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010.
ISSN: 0942-2056.
- L14 ANSWER 36 OF 36 MEDLINE DUPLICATE 27
AU Riew K D; Wright N M; Cheng S; Avioli L V; Lou J
TI Induction of bone formation using a recombinant **adenoviral vector** carrying the human **BMP-2** gene in a rabbit spinal fusion model.
SO CALCIFIED TISSUE INTERNATIONAL, (1998 Oct) 63 (4) 357-60.
Journal code: 7905481. ISSN: 0171-967X.

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FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 15:25:41 ON 28 APR 2003

L1 97859 S WOUND(3A)HEAL? OR EGR
L2 2337 S ADENOVIR?(5A)REPLICATION-DEFICIENT
L3 32 S L1 AND L2
L4 14 DUP REM L3 (18 DUPLICATES REMOVED)

=> d au ti so ab 1-14 14

L4 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2003 ACS
IN Kovesdi, Imre; Kessler, Paul D.
TI Human vascular endothelial growth factor (VEGF) fusion proteins and their therapeutic uses in angiogenesis, bone growth, and **wound healing**
SO PCT Int. Appl., 191 pp.
CODEN: PIXXD2

AB The invention provides therapeutic fusion proteins which include a first peptide portion comprising a first non-heparin binding vascular endothelial growth factor (VEGF) peptide portion and a second non-VEGF peptide portion covalently assocd. with the first peptide portion, which first and second peptide portions sep. promote angiogenesis, bone growth, **wound healing**, or any combination thereof. Further provided are polynucleotides, encoding such fusion proteins, vectors including such polynucleotides, methods of making such proteins, and methods of promoting angiogenesis, bone growth, and/or **wound healing** using such proteins, polynucleotides, and vectors. The invention specifically claims VEGF fusion proteins with angiopoietin, a fibroblast growth factor, a member of the HBNF-MK family of growth factors, alk. phosphatase, and fusion proteins which lack a collagen binding domain. In addn., the invention claims use of linker peptides to improve fusion protein stability and activities. One example of the invention shows binding of VEGF fusion proteins to the flk-1 VEGF receptor. Another example shows angiogenesis induced by injection of mouse ear or rat hind limb with recombinant adenoviral vectors expressing VEGF fusion proteins. An assay for blood vessel permeability suggests that the angiogenic fusion proteins reduce vascular leakage assocd. with VEGF biol. activity.

L4 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2003 ACS
IN Brough, Douglas E.; King, C. Richter; Kovesdi, Imre
TI Construction of **replication deficient adenoviral** vectors expressing tumor necrosis factor(TNF) and uses in antitumor therapy
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
AB The invention discloses methods of constructing **replication deficient adenoviral** vectors comprising a DNA sequence coding for TNF and their uses in antitumor therapy. In particular, the invention provides a viral vector that comprises an adenoviral genome deficient in the E1, E3 and E4 regions, a DNA sequence coding for TNF, and a radiation inducible promoter operably linked to the DNA sequence coding for TNF. The invention also provides a vector comprising an adenoviral genome deficient in the E1, E3 and E4 regions, a DNA sequence coding for TNF, and a spacer element of at least 15 base pairs in the E4 region of the adenoviral genome. The invention further provides methods of treating a tumor or cancer by administering an effective amt. of the antitumor adenoviral vector.

L4 ANSWER 3 OF 14 MEDLINE

DUPLICATE 1

AU Romano Di Peppe S; Mangoni A; Zambruno G; Spinetti G; Melillo G; Napolitano M; Capogrossi M C

TI Adenovirus-mediated VEGF(165) gene transfer enhances **wound healing** by promoting angiogenesis in CD1 diabetic mice.

SO GENE THERAPY, (2002 Oct) 9 (19) 1271-7.
Journal code: 9421525. ISSN: 0969-7128.

AB It has been previously shown that vascular endothelial growth factor (VEGF) plays a central role in promoting angiogenesis during **wound** repair and that **healing**-impaired diabetic mice show decreased VEGF expression levels. In order to investigate the potential benefits of gene therapy with growth factors on wound repair, a **replication-deficient** recombinant **adenovirus** vector carrying the human VEGF(165) gene (AdCMV.VEGF(165)) was topically applied on excisional wounds of streptozotocin-induced diabetic mice. Treatment with AdCMV.VEGF(165) significantly accelerated wound closure when compared with AdCMV.LacZ-treated, as well as saline-treated control mice, by promoting angiogenesis at the site of injury. Our findings suggest that AdCMV.VEGF(165) may be regarded as a therapeutic tool for the treatment of diabetic ulcers.

L4 ANSWER 4 OF 14 MEDLINE DUPLICATE 2

AU Perkins Todd W; Faha Barbara; Ni Ming; Kiland Julie A; Poulsen Gretchen L; Antelman Doug; Atencio Isabella; Shinoda Jeremy; Sinha Dinesh; Brumback Lyndia; Maneval Daniel; Kaufman Paul L; Nickells Robert W

TI Adenovirus-mediated gene therapy using human p21WAF-1/Cip-1 to prevent **wound healing** in a rabbit model of glaucoma filtration surgery.

SO ARCHIVES OF OPHTHALMOLOGY, (2002 Jul) 120 (7) 941-9.
Journal code: 7706534. ISSN: 0003-9950.

AB OBJECTIVE: To determine if adenovirus-mediated p21(WAF-1/Cip-1) (p21) gene therapy can prevent fibroproliferation and **wound healing** in a rabbit model of glaucoma filtration surgery. METHODS: In vitro studies were performed using rabbit Tenon fibroblasts harvested from fresh tissue. In vivo studies were conducted in New Zealand white rabbits. A full-thickness sclerotomy was performed under a limbal-based conjunctival flap. Reagents tested included a **replication-deficient** recombinant **adenovirus** containing the human p21 gene (rAd.p21); the nonspecific marker gene for green fluorescent protein or beta-galactosidase; mitomycin, 0.5 mg/mL; and balanced saline solution. Each treatment was applied episclerally for 5 minutes before the sclerotomy using a soaked cellulose sponge placed under the surgically created conjunctival flap. Independent experiments were conducted to (1) monitor changes in intraocular pressure during a 30-day period after treatment and examine surgical site histological features, (2) examine changes in bleb morphologic features over 30 days, (3) determine outflow facility 14 days after treatment, and (4) examine the localization and persistence of rAd.p21 expression between 3 and 60 days after treatment. RESULTS: Treatment of Tenon fibroblasts with rAd.p21 resulted in a dose-dependent inhibition of DNA synthesis and cell growth in vitro. In vivo, rAd.p21 inhibited **wound healing** and fibroproliferation after filtration surgery, comparably to mitomycin. Mitomycin caused notable thinning of the bleb wall. In addition, 2 of the 5 mitomycin-treated eyes exhibited an abscess with hypopyon and hyalitis 30 days after surgery, which was not observed in any of the rAd.p21-treated eyes. None of the treatments resulted in a significantly sustained decrease in intraocular pressure during the 30-day period, although mitomycin treatment resulted in a significant ($P = .02$) increase in outflow facility 2 weeks after surgery in separate animals. Mitomycin- and rAd.p21-treated eyes had functioning blebs at the end of the experiment based on slitlamp examination. CONCLUSIONS: Mitomycin and rAd.p21 were effective in preventing fibroproliferation and **wound healing** in a rabbit model of glaucoma surgery. Mitomycin treatment increased outflow facility in normal-pressure eyes. CLINICAL RELEVANCE: Gene therapy with rAd.p21 may provide an effective

antiproliferative for glaucoma filtration surgery, without the complications associated with mitomycin.

- L4 ANSWER 5 OF 14 MEDLINE DUPLICATE 3
AU Gupta Vinay K; Park James O; Jaskowiak Nora T; Mauceri Helena J; Seetharam
Saraswathy; Weichselbaum Ralph R; Posner Mitchell C
TI Combined gene therapy and ionizing radiation is a novel approach to treat
human esophageal adenocarcinoma.
SO ANNALS OF SURGICAL ONCOLOGY, (2002 Jun) 9 (5) 500-4.
Journal code: 9420840. ISSN: 1068-9265.
AB BACKGROUND: The ability to infect tumor cells limits the antitumor effects
of gene therapy. The addition of radiotherapy to treatment with Ad.
Egr.TNF.11D, a replication-deficient
adenovirus containing a radiation-inducible promoter, early growth
response-1, and the tumor necrosis factor-alpha (TNFalpha) complementary
DNA may enhance the therapeutic ratio. METHODS: Seg-1 human esophageal
adenocarcinoma cells were treated with Ad.**Egr.TNF.11D** with or
without radiation. TNFalpha levels were quantified with enzyme-linked
immunosorbent assay. Athymic nude mice bearing Seg-1 tumors were
randomized to buffer, ionizing radiation, Ad.**Egr.TNF.11D**, and
combination therapy. Tumor growth delay was used to compare treatment
regimens. TNFalpha levels were measured in tumor homogenates and plasma.
RESULTS: Seg-1 cells treated with Ad.**Egr.TNF.11D** and ionizing
radiation demonstrated increased TNFalpha levels at 72 hours compared with
cells exposed to vector alone (124 +/- 0 pg/mL vs. 31.11 +/- 22 pg/mL; P
=.008). In vivo, Ad.**Egr.TNF.11D**-treated tumors expressed low
TNFalpha levels (151.5 +/- 107.11 pg/mg protein) compared with tumors
receiving combined treatment (793.92 +/- 489.13 pg/mg protein; P =.067).
Increased TNFalpha levels were associated with increased tumor growth
delay after combined treatment (P <.05). CONCLUSIONS: Radiotherapy
enables focal stimulation of TNFalpha expression in Ad.**Egr**
.TNF.11D-infected cells and thus improves local tumor control.
- L4 ANSWER 6 OF 14 MEDLINE DUPLICATE 4
AU Park James O; Lopez Carlos A; Gupta Vinay K; Brown Charles K; Mauceri
Helena J; Darga Thomas E; Manan Abdullah; Hellman Samuel; Posner Mitchell
C; Kufe Donald W; Weichselbaum Ralph R
TI Transcriptional control of viral gene therapy by cisplatin.
SO JOURNAL OF CLINICAL INVESTIGATION, (2002 Aug) 110 (3) 403-10.
Journal code: 7802877. ISSN: 0021-9738.
AB Ionizing radiation (IR) and radical oxygen intermediates (ROIs) activate
the early growth response-1 (Egr1) promoter through specific cis-acting
sequences termed CArG elements. Ad.**Egr.TNF.11D, a**
replication-deficient adenoviral vector
containing CArG elements cloned upstream of the cDNA for human recombinant
TNF-alpha was used to treat human esophageal adenocarcinoma and rat colon
adenocarcinoma cells in culture and as xenografts in athymic nude mice.
Cisplatin, a commonly used chemotherapeutic agent, causes tumor cell death
by producing DNA damage and generating ROIs. The present studies
demonstrate induction of TNF-alpha production in tumor cells and
xenografts treated with the combination of Ad.**Egr.TNF.11D** and
cisplatin. The results show that the Egr1 promoter is induced by
cisplatin and that this induction is mediated in part through the CArG
elements. These studies also demonstrate an enhanced antitumor response
without an increase in toxicity following treatment with Ad.**Egr**
.TNF.11D and cisplatin, compared with either agent alone. Chemo-inducible
cancer gene therapy thus provides a means to control transgene expression
while enhancing the effectiveness of commonly used chemotherapeutic
agents.
- L4 ANSWER 7 OF 14 MEDLINE DUPLICATE 5
AU Danjo Yukitaka; Gipson Ilene K
TI Specific transduction of the leading edge cells of migrating epithelia
demonstrates that they are replaced during healing.

- SO EXPERIMENTAL EYE RESEARCH, (2002 Feb) 74 (2) 199-204.
Journal code: 0370707. ISSN: 0014-4835.
- AB As wounds in stratified epithelia close, the numbers of cells at the leading edge of migration decreases. It is not known whether cells at the leading edge are continually replaced or whether some retain their position at the leading edge over time. **Replication-deficient adenovirus** carrying the green fluorescent protein gene was applied to corneal epithelial wounds in mice and it was found that they primarily infect the leading edge cells of healing epithelium. Eighteen hr after viral transduction, green fluorescent protein expressing cells were located in the apical layer at varying distances behind the leading edge. These data indicate that leading edge cells are replaced during healing of stratified epithelia.
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- L4 ANSWER 8 OF 14 MEDLINE DUPLICATE 6
- AU Spector J A; Mehrara B J; Luchs J S; Greenwald J A; Fagenholz P J; Saadeh P B; Steinbrech D S; Longaker M T
- TI Expression of adenovirally delivered gene products in healing osseous tissues.
- SO ANNALS OF PLASTIC SURGERY, (2000 May) 44 (5) 522-8.
Journal code: 7805336. ISSN: 0148-7043.
- AB Gene therapy has moved from the promise of laboratory investigation to the reality of clinical practice in just the last decade. Various methods for delivery of genes to host cells have been developed and utilized both in vitro and in vivo. From the perspective of the plastic surgeon, gene therapy holds the promise to augment healing in clinical situations that remain difficult to treat, such as chronic wounds, osteoradionecrosis, or possibly to expedite current clinical practices, such as distraction osteogenesis. The authors chose to investigate the potential for gene therapy in osseous tissues using a **replication-deficient adenovirus** vector to deliver the marker transgene beta-galactosidase. An adenovirus vector is ideal for use in situations in which transgene expression is desired for only a relatively short period of time, such as **wound** and **fracture healing**. Utilizing a rat mandibular osteotomy model, they demonstrated that, using an adenoviral vector, foreign genes can be delivered in a simple fashion and can be expressed in a reliable manner within and around the osteotomy site for at least 10 days. Furthermore, there was no evidence of transfection of distant tissues associated with local application of the adenovirus vector. With this information, clinicians may now attempt to deliver osteogenic and angiogenic genes in a site-specific fashion to improve and expedite osseous healing.
- L4 ANSWER 9 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
- AU Manome, Yoshinobu (1); Kunieda, Takehiko; Wen, Patrick Y.; Koga, Tomohiko; Kufe, Donald W.; Ohno, Tsuneya
- TI Transgenic expression in malignant glioma using a replication-defective adenoviral vector containing the **Egr-1** promoter: Activation by ionizing radiation or uptake of radioactive iododeoxyuridine.
- SO Human Gene Therapy, (July 1, 1998) Vol. 9, No. 10, pp. 1409-1417.
ISSN: 1043-0342.
- AB One approach to improving the specificity of gene therapy involves using radiosensitive promoters to activate gene expression selectively in the radiation field. In this study, we evaluated the ability of irradiation to regulate the transcription of a recombinant replication-defective adenovirus vector, Ad.**Egr-1**/lacZ, containing the radiation-inducible **Egr-1** promoter driving the beta-galactosidase reporter gene in glioma cells. Transcripts of the **Egr-1** gene in human and rat glioma cells were induced following irradiation with as little as 2 Gy. This dose was 10-fold less than previously reported, and comparable to doses of irradiation used clinically in standard fractionated radiotherapy for brain tumors. When 9L rat gliosarcoma cells were infected with Ad.Egr1/lacZ in vitro and exposed

to 2 Gy of external beam irradiation, there was a threefold increase in beta-galactosidase expression. Irradiation of intracerebral 9L tumors infected with the Ad.**Egr**-1/lacZ virus, using either external beam radiotherapy (2 Gy) or the thymidine analog 5-iodo-2'-deoxyuridine radiolabeled with the Auger electron emitter iodine-125 ((125I)IdUrd), also resulted in increased beta-galactosidase activity of the tumor cells. These results indicate that the use of viral vectors containing radiation-inducible promoters represents a novel therapeutic approach that enables gene therapy to be spatially and temporally regulated by ionizing radiation. These findings also support a potential role for radiation-inducible promoters in the treatment of malignant brain tumors.

- L4 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2003 ACS
 AU Kitano, Yukie; Radu, Antoneta; Sylvester, Karl G.; Nesbit, Mark; Herlyn, Meenhard; Adzick, N. Scott; Crombleholme, Timothy M.
 TI Treatment of large excisional **healing-impaired wounds** in diabetic mice with a **replication-deficient adenovirus** carrying the PDGF-B transgene (PDGF-B/Adv5-CMV)
 SO Surgical Forum (1998), 49, 651-653
 CODEN: SUFOAX; ISSN: 0071-8041
 AB The authors hypothesized that the induction of PDGF-B gene over-expression in cells participating in **wound healing** by adenoviral-mediated gene transfer of human PDGF-B transgene would accelerate **wound healing**. The results showed that adenoviral-mediated gene transfer of PDGF-B may be a more effective growth factor administration in **healing impaired wounds** in diabetics.
- L4 ANSWER 11 OF 14 MEDLINE DUPLICATE 7
 AU Chung T D; Mauceri H J; Hallahan D E; Yu J J; Chung S; Grdina W L; Yajnik S; Kufe D W; Weichselbaum R R
 TI Tumor necrosis factor-alpha-based gene therapy enhances radiation cytotoxicity in human prostate cancer.
 SO CANCER GENE THERAPY, (1998 Nov-Dec) 5 (6) 344-9.
 Journal code: 9432230. ISSN: 0929-1903.
 AB The purpose of the present study was to determine the therapeutic potential of combining radiotherapy with tumor necrosis factor (TNF)-alpha-based gene therapy in the human prostate cancer PC-3 xenograft. PC-3 cells are highly resistant to TNF-alpha-induced cytotoxicity in vitro. A modest enhancement of radiation killing was observed with the addition of TNF-alpha in clonogenic survival assays. Combined treatment with Ad.**Egr**-TNF, a **replication-deficient adenovirus** modified to express TNF-alpha following the exposure of infected cells to ionizing radiation (40 Gy administered at 5 Gy per fraction) in vivo, resulted in increased tumor control, as defined by a reduction of tumor volume, when compared with treatment with Ad.**Egr**-TNF alone or with radiation alone (P < .03). The improvement in tumor control was achieved without increasing acute normal tissue damage when compared with tissue injury from radiation alone. The results of these studies support further development and clinical application of genetic radiotherapy for human prostate cancer.
- L4 ANSWER 12 OF 14 MEDLINE
 AU Lou J; Kubota H; Hotokezaka S; Ludwig F J; Manske P R
 TI In vivo gene transfer and overexpression of focal adhesion kinase (pp125 FAK) mediated by recombinant adenovirus-induced tendon adhesion formation and epitenon cell change.
 SO JOURNAL OF ORTHOPAEDIC RESEARCH, (1997 Nov) 15 (6) 911-8.
 Journal code: 8404726. ISSN: 0736-0266.
 AB Adhesion formation is a frequent complication of tendon injury repair; however, little is known about its mechanisms. The intracellular focal adhesion kinase (FAK)-related signaling pathway may be one of the mechanisms involved in the induction of tendon adhesions. The **replication deficient adenovirus** containing

the FAK gene (pp125 FAK) was constructed and named Adv-Fak. By in vitro transductions with the recombinant virus, overexpression of the FAK protein was documented in transduced cultured primary tendon cells. By in vivo direct injection of Adv-FAK into the space between the tendon and tendon sheath of White Leghorn chickens, FAK gene transfer with overexpression of the FAK protein was detected by immunohistological staining. The morphology of these stained cells changed from the normal flat shape to cuboid. The group with overexpressed adenovirus-mediated FAK had significant adhesion formation, as seen by increased work of flexion (118.197 +/- 29.616), compared with the group with overexpressed adenovirus-mediated beta-galactosidase (67.507 +/- 36.066) ($p < 0.0393$) and the group with adenovirus-mediated FAK antisense gene transfer (60.357 +/- 48.562) ($p < 0.0211$). Histological examination of the samples from tendons with Adv-FAK showed fibers between the tendon and tendon sheath; there were no fibers in the cavities of samples of injured tendons infected with Adv-beta gal. Moreover, at the application site of the former tendons, a thick fiber layer without epitenon cells was built up on the outer surface, whereas a thin fiber layer with clear epitenon cells was observed in the tendons to which Adv-beta gal was applied. Our results show that overexpression of FAK can induce tendon adhesion formation in vivo. This indicates that FAK and the FAK-related signaling pathway may be involved in the process of tendon adhesion formation. Understanding the details of this process may help to prevent tendon adhesion and improve healing.

L4 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2003 ACS

IN Finkel, Toren; Epstein, Stephen E.; Crystal, Ronald G.; Guzman, Raul J.
 TI Selective adenoviral mediated gene transfer into vascular neointima
 SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

AB Disclosed is a method of selectively expressing DNA in neointimal cells in an injured blood vessel of a subject. The method comprises administering a **replication-deficient** recombinant **adenovirus** which delivers the DNA to the blood vessel at the site of injury, such that the adenovirus remains at the site of injury for a time sufficient for the adenovirus to selectively infect neointimal cells and thereby selectively express the DNA in neointimal cells. The DNA encoding a protein or an antisense RNA can be delivered. This method can be used to treat restenosis and, relatedly, to prevent neointimal cell proliferation.

L4 ANSWER 14 OF 14 MEDLINE

DUPLICATE 8

AU Hallahan D E; Mauceri H J; Seung L P; Dunphy E J; Wayne J D; Hanna N N;
 Toledano A; Hellman S; Kufe D W; Weichselbaum R R

TI Spatial and temporal control of gene therapy using ionizing radiation.

SO NATURE MEDICINE, (1995 Aug) 1 (8) 786-91.

Journal code: 9502015. ISSN: 1078-8956.

AB Activation of transcription of the **Egr-1** gene by X-rays is regulated by the promoter region of this gene. We linked the radiation-inducible promoter region of the **Egr-1** gene to the gene encoding the radiosensitizing and tumoricidal cytokine, tumour necrosis factor-alpha (TNF-alpha) and used a **replication-deficient adenovirus** to deliver the **Egr-TNF** construct to human tumours growing in nude mice. Combined treatment with Ad5.**Egr-TNF** and 5,000 cGy (rad) resulted in increased intratumoral TNF-alpha production and increased tumour control compared with treatment with Ad5.**Egr-TNF** alone or with radiation alone. The increase in tumour control was achieved without an increase in normal tissue damage when compared to tissue injury from radiation alone. Control of gene transcription by ionizing radiation in vivo represents a novel method of spatial and temporal regulation of gene-based medical treatments.

=> s adenovir?(w)vector

L5 17729 ADENOVIR?(W) VECTOR

=> s l1 and l5

L6 137 L1 AND L5

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7 84 DUP REM L6 (53 DUPLICATES REMOVED)

=> d his

(FILE 'HOME' ENTERED AT 15:25:30 ON 28 APR 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 15:25:41 ON 28 APR 2003

L1 97859 S WOUND(3A)HEAL? OR EGR
L2 2337 S ADENOVIR?(5A)REPLICATION-DEFICIENT
L3 32 S L1 AND L2
L4 14 DUP REM L3 (18 DUPLICATES REMOVED)
L5 17729 S ADENOVIR?(W)VECTOR
L6 137 S L1 AND L5
L7 84 DUP REM L6 (53 DUPLICATES REMOVED)

=> s l1(s)l5

L8 75 L1(S) L5

=> dup rem l8

PROCESSING COMPLETED FOR L8

L9 37 DUP REM L8 (38 DUPLICATES REMOVED)

=> d his

(FILE 'HOME' ENTERED AT 15:25:30 ON 28 APR 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 15:25:41 ON 28 APR 2003

L1 97859 S WOUND(3A)HEAL? OR EGR
L2 2337 S ADENOVIR?(5A)REPLICATION-DEFICIENT
L3 32 S L1 AND L2
L4 14 DUP REM L3 (18 DUPLICATES REMOVED)
L5 17729 S ADENOVIR?(W)VECTOR
L6 137 S L1 AND L5
L7 84 DUP REM L6 (53 DUPLICATES REMOVED)
L8 75 S L1(S)L5
L9 37 DUP REM L8 (38 DUPLICATES REMOVED)

=> d au ti so 1-37 19

L9 ANSWER 1 OF 37 MEDLINE DUPLICATE 1
AU Gruss Claus J; Satyamoorthy Kapaettu; Berking Carola; Lininger John;
Nesbit Mark; Schaidler Helmut; Liu Zhao-June; Oka Masahiro; Hsu Mei-Yu;
Shirakawa Takashi; Li Gang; Bogenrieder Thomas; Carmeliet Peter; El-Deiry
Wafik S; Eck Stephen L; Rao Justi S; Baker Andrew H; Bennet Jean T;
Crombleholme Timothy M; Velazquez Omaid; Karmacharya Jagajan; Margolis
David J; Wilson James M; Detmar Michael; Skobe Mihaela; Robbins Paul D;
Buck Clayton; Herlyn Meenhard
TI Stroma formation and angiogenesis by overexpression of growth factors,
cytokines, and proteolytic enzymes in human skin grafted to SCID mice.
SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (2003 Apr) 120 (4) 683-92.
Journal code: 0426720. ISSN: 0022-202X.

L9 ANSWER 2 OF 37 CAPLUS COPYRIGHT 2003 ACS

IN Kovesdi, Imre; Kessler, Paul D.

TI Human vascular endothelial growth factor (VEGF) fusion proteins and their

therapeutic uses in angiogenesis, bone growth, and wound healing
SO PCT Int. Appl., 191 pp.
CODEN: PIXXD2

L9 ANSWER 3 OF 37 CAPLUS COPYRIGHT 2003 ACS
IN Weichselbaum, Ralph R.; Kufe, Donald W.; Gupta, Vinay; Mauceri, Helen;
Park, James; Posner, Mitchell
TI Chemotherapeutic induction of Egr-1 promoter activity with anticancer
agents for the treatment of hyperproliferative diseases and cancers
SO PCT Int. Appl., 84 pp.
CODEN: PIXXD2

L9 ANSWER 4 OF 37 CAPLUS COPYRIGHT 2003 ACS
IN Tennenbaum, Tamar; Sampson, Sanford; Kuroki, Toshio; Alt, Addy; Shen,
Shlomzion
TI Protein kinase C and methods and compositions for healing wounds
SO PCT Int. Appl., 93 pp.
CODEN: PIXXD2

L9 ANSWER 5 OF 37 CAPLUS COPYRIGHT 2003 ACS
IN Brough, Douglas E.; King, C. Richter; Kovesdi, Imre
TI Construction of replication deficient adenoviral vectors expressing tumor
necrosis factor(TNF) and uses in antitumor therapy
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2

L9 ANSWER 6 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2
AU Di Peppe, S. Romano; Mangoni, A.; Zambruno, G.; Spinetti, G.; Melillo, G.;
Napolitano, M.; Capogrossi, M. C. (1)
TI Adenovirus-mediated VEGF165 gene transfer enhances wound healing by
promoting angiogenesis in CD1 diabetic mice.
SO Gene Therapy, (October, 2002) Vol. 9, No. 19, pp. 1271-1277.
[http://www.naturesj.com/gt/. print.](http://www.naturesj.com/gt/.print)
ISSN: 0969-7128.

L9 ANSWER 7 OF 37 MEDLINE DUPLICATE 3
AU Weichselbaum Ralph R; Kufe Donald W; Hellman Samuel; Rasmussen Henrik S;
King C Richter; Fischer Paul H; Mauceri Helena J
TI Radiation-induced tumour necrosis factor-alpha expression: clinical
application of transcriptional and physical targeting of gene therapy.
SO Lancet Oncol, (2002 Nov) 3 (11) 665-71. Ref: 75
Journal code: 100957246. ISSN: 1470-2045.

L9 ANSWER 8 OF 37 MEDLINE DUPLICATE 4
AU Mauceri Helena J; Seetharam Saraswathy; Beckett Michael A; Lee John Y;
Gupta Vinay K; Gately Stephen; Stack M Sharon; Brown Charles K; Swedberg
Kirsten; Kufe Donald W; Weichselbaum Ralph R
TI Tumor production of angiostatin is enhanced after exposure to TNF-alpha.
SO INTERNATIONAL JOURNAL OF CANCER, (2002 Feb 1) 97 (4) 410-5.
Journal code: 0042124. ISSN: 0020-7136.

L9 ANSWER 9 OF 37 MEDLINE DUPLICATE 5
AU Park James O; Lopez Carlos A; Gupta Vinay K; Brown Charles K; Mauceri
Helena J; Darga Thomas E; Manan Abdullah; Hellman Samuel; Posner Mitchell
C; Kufe Donald W; Weichselbaum Ralph R
TI Transcriptional control of viral gene therapy by cisplatin.
SO JOURNAL OF CLINICAL INVESTIGATION, (2002 Aug) 110 (3) 403-10.
Journal code: 7802877. ISSN: 0021-9738.

L9 ANSWER 10 OF 37 MEDLINE DUPLICATE 6
AU Rivera Arnold D C; Walker Charles N; Bleustein Clifford; Choi Benjamin;
Poppas Dix P; Felsen Diane
TI Enhanced adenoviral-vector mediated gene transfer using human albumin

- solder.
- SO LASERS IN SURGERY AND MEDICINE, (2002) 30 (4) 313-9.
Journal code: 8007168. ISSN: 0196-8092.
- L9 ANSWER 11 OF 37 MEDLINE DUPLICATE 7
AU Ailawadi Maneesh; Lee Jay M; Lee Sang; Hackett Neil; Crystal Ronald G;
Korst Robert J
TI **Adenovirus vector**-mediated transfer of the vascular
endothelial growth factor cDNA to healing abdominal fascia enhances
vascularity and bursting strength in mice with normal and impaired
wound healing.
SO SURGERY, (2002 Feb) 131 (2) 219-27.
Journal code: 0417347. ISSN: 0039-6060.
- L9 ANSWER 12 OF 37 SCISEARCH COPYRIGHT 2003 THOMSON ISI
AU Chin G; Gowda S; Schultz G (Reprint)
TI Evaluation of platelet-derived growth factor in a rat model of ischemic
skin wound healing
SO WOUNDS-A COMPENDIUM OF CLINICAL RESEARCH AND PRACTICE, (JUN 2002) Vol. 14,
No. 5, pp. 199-203.
Publisher: H M P COMMUNICATIONS, 83 GENERAL WARREN BLVD, STE 100, MALVERN,
PA 19355 USA.
ISSN: 1044-7946.
- L9 ANSWER 13 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Gao, C. Y. (1); Negash, S. (1); Zelenka, P. S. (1)
TI Cdk5 Regulates Corneal Epithelial Cell Adhesion and Migration in vitro.
SO ARVO Annual Meeting Abstract Search and Program Planner, (2002) Vol. 2002,
pp. Abstract No. 4211. cd-rom.
Meeting Info.: Annual Meeting of the Association For Research in Vision
and Ophthalmology Fort Lauderdale, Florida, USA May 05-10, 2002
- L9 ANSWER 14 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Chen, Z. Z. (1); Wen, S.; Maneval, D. (1); Hess, M. (1); Nery, J.;
Kaufman, P.; Nickells, R.; Faha, B. (1)
TI Biodistribution of an Adenovirus Encoding Human p21WAF1/Cip-1(rAd-p21)
Following Subconjunctival Injection in Rabbits.
SO ARVO Annual Meeting Abstract Search and Program Planner, (2002) Vol. 2002,
pp. Abstract No. 3334. cd-rom.
Meeting Info.: Annual Meeting of the Association For Research in Vision
and Ophthalmology Fort Lauderdale, Florida, USA May 05-10, 2002
- L9 ANSWER 15 OF 37 CAPLUS COPYRIGHT 2003 ACS
IN Havenga, Menzo Jans Emco; Bout, Abraham
TI Methods and means for enhancing skin transplantation using gene delivery
vehicles having tropism for primary fibroblasts, as well as other uses
thereof
SO Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
- L9 ANSWER 16 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE
8
AU Honma, Kimi; Ochiya, Takahiro; Nagahara, Shunji; Sano, Akihiko; Yamamoto,
Hanako; Hirai, Kotaro; Aso, Yu; Terada, Masaaki (1)
TI Atelocollagen-based gene transfer in cells allows high-throughput
screening of gene functions.
SO Biochemical and Biophysical Research Communications, (December 21, 2001)
Vol. 289, No. 5, pp. 1075-1081. <http://www.academicpress.com/bbrc>. print.
ISSN: 0006-291X.
- L9 ANSWER 17 OF 37 CAPLUS COPYRIGHT 2003 ACS
AU Wei, Daoyan; Dai, Bingbing; Chen, Shishu
TI Tumor targeted expression of adenovirus-mediated CDglyTK gene regulated by
irradiation via Egr-1 promoter

- SO Zhonghua Yixue Zazhi (Beijing, China) (2001), 81(16), 999-1003
CODEN: CHHTAT; ISSN: 0376-2491
- L9 ANSWER 18 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
9
- AU Varda-Bloom, N.; Shaish, A.; Gonen, A.; Levanon, K.; Greenbereger, S.;
Ferber, S.; Levkovitz, H.; Castel, D.; Goldberg, I.; Afek, A.; Kopolovitch,
Y.; Harats, D. (1)
- TI Tissue-specific gene therapy directed to tumor angiogenesis.
- SO Gene Therapy, (June, 2001) Vol. 8, No. 11, pp. 819-827. print.
ISSN: 0969-7128.
- L9 ANSWER 19 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
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- AU Rauma, Tanja; Kumpumaki, Sanna; Anderson, Richard; Davidson, Beverly L.;
Ruotsalainen, Heli; Myllyla, Raili; Hautala, Timo (1)
- TI Adenoviral gene transfer restores lysyl hydroxylase activity in type VI
Ehlers-Danlos syndrome.
- SO Journal of Investigative Dermatology, (April, 2001) Vol. 116, No. 4, pp.
602-605. print.
ISSN: 0022-202X.
- L9 ANSWER 20 OF 37 MEDLINE DUPLICATE 11
- AU Hallahan D E; Qu S; Geng L; Cmelak A; Chakravarthy A; Martin W; Scarfone
C; Giorgio T
- TI Radiation-mediated control of drug delivery.
- SO AMERICAN JOURNAL OF CLINICAL ONCOLOGY, (2001 Oct) 24 (5) 473-80. Ref: 62
Journal code: 8207754. ISSN: 0277-3732.
- L9 ANSWER 21 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
- AU Wuerschmidt, F. (1); Gomaa, I. E. O. (1); Anton, M.; Lukowicz, T. V. (1);
Molls, M. (1); Gaensbacher, B.
- TI Gene expression under control of the radiation-inducible **Egr-1**
promoter in an **adenoviral vector**: Vector optimization
for reduction of unspecific gene expression in the absence of irradiation.
- SO European Journal of Cancer, (October, 2001) Vol. 37, No. Supplement 6, pp.
S160. <http://www.elsevier.com/locate/ejca>. print.
Meeting Info.: 11th European Cancer Conference Lisbon, Portugal October
21-25, 2001
ISSN: 0959-8049.
- L9 ANSWER 22 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
- AU Mauceri, H. J. (1); Seetharam, S.; Beckett, M. A.; Lee, J. Y.; Gately, S.;
Stack, M. S.; Gupta, V. K.; Kufe, D. W.; Weichselbaum, R. R.
- TI Treatment with the **adenoviral vector Ad.Egr**
-TNF-alpha enhances plasma angiostatin levels.
- SO Proceedings of the American Association for Cancer Research Annual
Meeting, (March, 2001) Vol. 42, pp. 32. print.
Meeting Info.: 92nd Annual Meeting of the American Association for Cancer
Research New Orleans, LA, USA March 24-28, 2001
ISSN: 0197-016X.
- L9 ANSWER 23 OF 37 MEDLINE DUPLICATE 12
- AU Liu W; Mehrara B J; Chin G S; Hsu M; Peled Z; Longaker M T
- TI The use of newborn rats and an adenoviral gene delivery vector as a model
system for wound-healing research.
- SO ANNALS OF PLASTIC SURGERY, (2000 May) 44 (5) 543-51; discussion 551-2.
Journal code: 7805336. ISSN: 0148-7043.
- L9 ANSWER 24 OF 37 MEDLINE DUPLICATE 13
- AU Spector J A; Mehrara B J; Luchs J S; Greenwald J A; Fagenholz P J; Saadeh
P B; Steinbrech D S; Longaker M T
- TI Expression of adenovirally delivered gene products in healing osseous
tissues.

SO ANNALS OF PLASTIC SURGERY, (2000 May) 44 (5) 522-8.
Journal code: 7805336. ISSN: 0148-7043.

L9 ANSWER 25 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
14

AU Radfar, Ali J.; Robbins, Paul D.; Huard, Johnny; Rosas, Fabio R.; Dohar,
Joseph E.; Hebda, Patricia A. (1)

TI Transplantation of virally transduced cells into the dermis of
immunocompetent and immunodeficient (SCID) mice to determine gene
expression profile and differential donor cell survival.

SO Wound Repair and Regeneration, (November December, 2000) Vol. 8, No. 6,
pp. 503-510. print.
ISSN: 1067-1927.

L9 ANSWER 26 OF 37 SCISEARCH COPYRIGHT 2003 THOMSON ISI

AU Chandler L A (Reprint); Doukas J; Gonzalez A M; Hoganson D K; Gu D L; Ma C
L; Nesbit M; Crombleholme T M; Herlyn M; Sosnowski B A; Pierce G F

TI FGF2-targeted adenovirus encoding platelet-derived growth factor-B
enhances de Novo tissue formation

SO MOLECULAR THERAPY, (AUG 2000) Vol. 2, No. 2, pp. 153-160.
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA
92101-4495.
ISSN: 1525-0016.

L9 ANSWER 27 OF 37 MEDLINE DUPLICATE 15

AU Sylvester K G; Nesbit M; Radu A; Herlyn M; Adzick N S; Crombleholme T M

TI Adenoviral-mediated gene transfer in wound healing: acute inflammatory
response in human skin in the SCID mouse model.

SO WOUND REPAIR AND REGENERATION, (2000 Jan-Feb) 8 (1) 36-44.
Journal code: 9310939. ISSN: 1067-1927.

L9 ANSWER 28 OF 37 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
16

AU Liechty, Kenneth W.; Sablich, Timothy J.; Adzick, N. Scott; Crombleholme,
Timothy M. (1)

TI Recombinant adenoviral mediated gene transfer in ischemic impaired wound
healing.

SO Wound Repair and Regeneration, (May-June, 1999) Vol. 7, No. 3, pp.
148-153.
ISSN: 1067-1927.

L9 ANSWER 29 OF 37 CAPLUS COPYRIGHT 2003 ACS

IN Bohlen, Peter

TI Truncated vascular endothelial cell growth factor-related proteins,
VRP-encoding adenoviral vectors, and pharmaceutical use of VRPs

SO PCT Int. Appl., 113 pp.
CODEN: PIXXD2

L9 ANSWER 30 OF 37 CAPLUS COPYRIGHT 2003 ACS

IN Billiar, Timothy R.; Tzeng, Edith; Shears, Larry L., II; Geller, David A.;
Edington, Howard David James

TI Methods for promoting wound healing and treating transplant-associated
vasculopathy

SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2

L9 ANSWER 31 OF 37 MEDLINE DUPLICATE 17

AU Manome Y; Kunieda T; Wen P Y; Koga T; Kufe D W; Ohno T

TI Transgene expression in malignant glioma using a replication-defective
adenoviral vector containing the **Egr-1**
promoter: activation by ionizing radiation or uptake of radioactive
iododeoxyuridine.

SO HUMAN GENE THERAPY, (1998 Jul 1) 9 (10) 1409-17.
Journal code: 9008950. ISSN: 1043-0342.

L9 ANSWER 32 OF 37 MEDLINE DUPLICATE 18
 AU Yamasaki K; Edington H D; McClosky C; Tzeng E; Lizonova A; Kovesdi I;
 Steed D L; Billiar T R
 TI Reversal of impaired wound repair in iNOS-deficient mice by topical
 adenoviral-mediated iNOS gene transfer.
 SO JOURNAL OF CLINICAL INVESTIGATION, (1998 Mar 1) 101 (5) 967-71.
 Journal code: 7802877. ISSN: 0021-9738.

L9 ANSWER 33 OF 37 MEDLINE DUPLICATE 19
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L9 ANSWER 34 OF 37 MEDLINE DUPLICATE 20
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 E.; Hellman, Samuel; Weichselbaum, Ralph R. (1)
 TI Tumor necrosis factor alpha (TNF-alpha) gene therapy targeted by ionizing
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 radiation selectively damages tumor vasculature.
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 Journal code: 2984705R. ISSN: 0008-5472.

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 IN Finkel, Toren; Epstein, Stephen E.; Crystal, Ronald G.; Guzman, Raul J.
 TI Selective adenoviral mediated gene transfer into vascular neointima
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2

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=> d 50-84 au ti so l7

- L7 ANSWER 50 OF 84 CAPLUS COPYRIGHT 2003 ACS
IN Levy, Robert J.; Jones, Peter L.
TI Compositions and methods for controlled delivery of virus vectors
SO PCT Int. Appl., 87 pp.
CODEN: PIXXD2
- L7 ANSWER 51 OF 84 CAPLUS COPYRIGHT 2003 ACS
IN Levy, Robert J.; Crombleholme, Timothy; Vyavahare, Narendra
TI Hydrogel compositions for controlled delivery of virus vectors and methods of use thereof
SO PCT Int. Appl., 97 pp.
CODEN: PIXXD2
- L7 ANSWER 52 OF 84 SCISEARCH COPYRIGHT 2003 THOMSON ISI
AU Angella G J; Sherwood M B; Balasubramanian L; Doyle J W; Smith M F; vanSetten G; Goldstein M; Schultz G S (Reprint)
TI Enhanced short-term plasmid transfection of filtration surgery tissues
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ISSN: 0146-0404.
- L7 ANSWER 53 OF 84 SCISEARCH COPYRIGHT 2003 THOMSON ISI
AU Scott S D; Marples B; Hendry J H; Lashford L S; Embleton M J; Hunter R D; Howell A; Margison G P (Reprint)
TI A radiation-controlled molecular switch for use in gene therapy of cancer
SO GENE THERAPY, (JUL 2000) Vol. 7, No. 13, pp. 1121-1125.
Publisher: NATURE PUBLISHING GROUP, HOUNDMILLS, BASINGSTOKE RG21 6XS, HAMPSHIRE, ENGLAND.
ISSN: 0969-7128.
- L7 ANSWER 54 OF 84 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
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- L7 ANSWER 55 OF 84 MEDLINE DUPLICATE 14
AU Liu W; Mehrara B J; Chin G S; Hsu M; Peled Z; Longaker M T
TI The use of newborn rats and an adenoviral gene delivery vector as a model system for **wound-healing** research.
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TI Expression of adenovirally delivered gene products in healing osseous tissues.
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Journal code: 7805336. ISSN: 0148-7043.
- L7 ANSWER 57 OF 84 MEDLINE DUPLICATE 16
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Journal code: 9310939. ISSN: 1067-1927.

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ISSN: 1067-1927.

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CODEN: JSGRA2; ISSN: 0022-4804

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ISSN: 0167-8140.

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TI Gene transfer in **wound healing**.
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Journal code: 100911021. ISSN: 1527-7941.

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 TI Particle-mediated gene transfer of PDGF isoforms promotes wound repair
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 297-302.
 Publisher: BLACKWELL SCIENCE INC, 350 MAIN ST, MALDEN, MA 02148.
 ISSN: 0022-202X.

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 AU Liechty K W; Sablich T J; Adzick N S; Crombleholme T M
 TI Recombinant adenoviral mediated gene transfer in ischemic impaired
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 SO WOUND REPAIR AND REGENERATION, (1999 May-Jun) 7 (3) 148-53.
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 IN Shaw, Phillip Herbert; Sahli, Roland; Sickenberg, Michel; Munier, Francis
 TI Somatic gene therapy to suppress secondary cataract formation utilizing
 replication-defective **adenovirus vectors** to express
 proteins involved in cell cycle or signal transduction or DNA replication
 to inhibit cell proliferation
 SO PCT Int. Appl., 65 pp.
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L7 ANSWER 70 OF 84 CAPLUS COPYRIGHT 2003 ACS
 IN Hallahan, Dennis E.; Virudachalam, Subbulakshmi
 TI P-selectin translocation to vascular epithelial lumen by ionizing
 radiation, and therapeutic use
 SO PCT Int. Appl., 178 pp.
 CODEN: PIXXD2

L7 ANSWER 71 OF 84 CAPLUS COPYRIGHT 2003 ACS
 IN Bohlen, Peter
 TI Truncated vascular endothelial cell growth factor-related proteins,
 VRP-encoding **adenoviral vectors**, and pharmaceutical
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 SO PCT Int. Appl., 113 pp.
 CODEN: PIXXD2

L7 ANSWER 72 OF 84 CAPLUS COPYRIGHT 2003 ACS
 IN Herlyn, Meenhard; Nesbit, Mark; Satyamoorthy, Kapaettu
 TI Method and compositions for healing tissue defects and inducing
 hypervascularity in mammalian tissue
 SO PCT Int. Appl., 82 pp.
 CODEN: PIXXD2

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 Edington, Howard David James
 TI Methods for promoting **wound healing** and treating
 transplant-associated vasculopathy
 SO PCT Int. Appl., 55 pp.
 CODEN: PIXXD2

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 TI Transgene expression in malignant glioma using a replication-defective **adenoviral vector** containing the **Egr-1** promoter: activation by ionizing radiation or uptake of radioactive iododeoxyuridine.
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 TI Reversal of impaired wound repair in iNOS-deficient mice by topical adenoviral-mediated iNOS gene transfer.
 SO JOURNAL OF CLINICAL INVESTIGATION, (1998 Mar 1) 101 (5) 967-71.
 Journal code: 7802877. ISSN: 0021-9738.

L7 ANSWER 76 OF 84 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
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 TI Use of **adenoviral vectors** to determine the role of autocrine TGF-beta signaling in human dermal fibroblasts.
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L7 ANSWER 77 OF 84 MEDLINE DUPLICATE 22
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 TI Adenoviral TNF-alpha gene therapy and radiation damage tumor vasculature in a human malignant glioma xenograft.
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 Journal code: 9421525. ISSN: 0969-7128.

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L7 ANSWER 79 OF 84 MEDLINE DUPLICATE 23
 AU Mauceri H J; Seung L P; Grdina W L; Swedberg K A; Weichselbaum R R
 TI Increased injection number enhances adenoviral genetic radiotherapy.
 SO RADIATION ONCOLOGY INVESTIGATIONS, (1997) 5 (5) 220-6.
 Journal code: 9437448. ISSN: 1065-7541.

L7 ANSWER 80 OF 84 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AU Mauceri, Helena J.; Hanna, Nader N.; Wayne, Jeffrey D.; Hallahan, Dennis E.; Hellman, Samuel; Weichselbaum, Ralph R. (1)
 TI Tumor necrosis factor alpha (TNF-alpha) gene therapy targeted by ionizing radiation selectively damages tumor vasculature.
 SO Cancer Research, (1996) Vol. 56, No. 19, pp. 4313-4314.
 ISSN: 0008-5472.

L7 ANSWER 81 OF 84 MEDLINE DUPLICATE 24
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 TI Tumor necrosis factor alpha (TNF-alpha) gene therapy targeted by ionizing radiation selectively damages tumor vasculature.
 SO CANCER RESEARCH, (1996 Oct 1) 56 (19) 4311-4.
 Journal code: 2984705R. ISSN: 0008-5472.

L7 ANSWER 82 OF 84 MEDLINE
 AU Gerich T G; Kang R; Fu F H; Robbins P D; Evans C H

TI Gene transfer to the rabbit patellar tendon: potential for genetic enhancement of tendon and ligament healing.
 SO GENE THERAPY, (1996 Dec) 3 (12) 1089-93.
 Journal code: 9421525. ISSN: 0969-7128.

L7 ANSWER 83 OF 84 CAPLUS COPYRIGHT 2003 ACS
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 TI Selective adenoviral mediated gene transfer into vascular neointima
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2

L7 ANSWER 84 OF 84 MEDLINE
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 TI Regenerating cells in human airway surface epithelium represent preferential targets for recombinant adenovirus.
 SO HUMAN GENE THERAPY, (1995 Sep) 6 (9) 1185-93.
 Journal code: 9008950. ISSN: 1043-0342.

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L7 ANSWER 69 OF 84 CAPLUS COPYRIGHT 2003 ACS
 AN 1998:806804 CAPLUS
 DN 130:61980
 TI Somatic gene therapy to suppress secondary cataract formation utilizing replication-defective **adenovirus vectors** to express proteins involved in cell cycle or signal transduction or DNA replication to inhibit cell proliferation
 IN Shaw, Phillip Herbert; Sahli, Roland; Sickenberg, Michel; Munier, Francis
 PA Switz.
 SO PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9855641	A2	19981210	WO 1998-IB862	19980603
	WO 9855641	A3	19990304		
	W:		AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
	RW:		GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG		
	US 6200799	B1	20010313	US 1997-867902	19970603
	AU 9875440	A1	19981221	AU 1998-75440	19980603
	EP 985047	A2	20000315	EP 1998-922983	19980603
	R:		CH, DE, ES, FR, GB, IT, LI		
	JP 2002505579	T2	20020219	JP 1999-501952	19980603
PRAI	US 1997-867902	A	19970603		
	WO 1998-IB862	W	19980603		

L7 ANSWER 70 OF 84 CAPLUS COPYRIGHT 2003 ACS
 AN 1998:793064 CAPLUS
 DN 130:35133
 TI P-selectin translocation to vascular epithelial lumen by ionizing radiation, and therapeutic use
 IN Hallahan, Dennis E.; Virudachalam, Subbulakshmi
 PA Arch Development Corporation, USA
 SO PCT Int. Appl., 178 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9853852	A1	19981203	WO 1998-US10913	19980529
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9886570	A1	19981230	AU 1998-86570	19980529
	EP 986401	A1	20000322	EP 1998-937941	19980529
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
PRAI	US 1997-48141P	P	19970530		
	WO 1998-US10913	W	19980529		
RE.CNT	6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L7 ANSWER 71 OF 84 CAPLUS COPYRIGHT 2003 ACS

AN 1998:728556 CAPLUS

DN 130:841

TI Truncated vascular endothelial cell growth factor-related proteins, VRP-encoding **adenoviral vectors**, and pharmaceutical use of VRPs

IN Bohlen, Peter

PA Collateral Therapeutics, USA

SO PCT Int. Appl., 113 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9849300	A2	19981105	WO 1998-US7801	19980420
	WO 9849300	A3	19990311		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9872502	A1	19981124	AU 1998-72502	19980420
	EP 977854	A2	20000209	EP 1998-919794	19980420
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2001524828	T2	20011204	JP 1998-547062	19980420
	NZ 500530	A	20011221	NZ 1998-500530	19980420
PRAI	US 1997-842984	A	19970425		
	WO 1998-US7801	W	19980420		

L7 ANSWER 72 OF 84 CAPLUS COPYRIGHT 2003 ACS

AN 1998:612019 CAPLUS

DN 129:226134

TI Method and compositions for healing tissue defects and inducing hypervascularity in mammalian tissue

IN Herlyn, Meenhard; Nesbit, Mark; Satyamoorthy, Kapaettu

PA Wistar Institute of Anatomy and Biology, USA
SO PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9839035	A1	19980911	WO 1998-US4487	19980306
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9866910	A1	19980922	AU 1998-66910	19980306
	EP 1017421	A1	20000712	EP 1998-909027	19980306
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 6486133	B1	20021126	US 1999-380124	19990825
PRAI	US 1997-40042P	P	19970307		
	WO 1998-US4487	W	19980306		

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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